Q.P. Code: 24906

(3 hours) [80 marks]	[80 marks]	
NOTE: Question No 1 is compulsory Attempt any three questions from remaining. Assume suitable data if necessary.		
Q1. A) Explain in detail hidden and exposed terminal problem in Wireless Network. B) Explain in Issues in Designing a Routing Protocol for Ad Hoc Wireless Networks and also explain in detail AODV routing protocol.	[10] [10]	
 Q2. A) Explain in detail Contention based MAC protocols- with reservation Mechanism. B) Explain design goal of a transport layer protocol for ad hoc wireless network. 	[10] [10]	
Q3. A) Give comparison between IEEE 802.11a, 802.11b, 802.11g. B) What are the various attacks on MANET? Explain attacks on MANET.	[10] [10]	
Q4. A) Explain the security issues in ad hoc wireless networks B) Explain in detail Dynamic Source Routing protocol with example?	[10] [10]	
Q5. A) Describe data link layer solutions to calculate the optimum transmission range.B) Explain the tree based and mesh based multicast routing protocols.	[10] [10]	
Q6. Write a short note on following. A. TORA B. MANET vs VANET C. Characteristics of the Wireless channel. D. 802.11p	20]	